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# Combined Declaration and Power of Attorney for Patent Application

Docket Number: 1744.0250001

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

Analog Zero IF FM Decoder and Embodiments Thereof, Such as the Family Radio Service  
the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on January 3, 2000 ;  
as United States Application Number or PCT International Application Number 09/476,092 ; and  
was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

\_\_\_\_\_  
(Application No.)                      (Country)                      (Day/Month/Year Filed)

☐ Yes    ☐ No

\_\_\_\_\_  
(Application No.)                      (Country)                      (Day/Month/Year Filed)

☐ Yes    ☐ No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/116,848                      January 22, 1999  
(Application No.)                      (Filing Date)

\_\_\_\_\_  
(Application No.)                      (Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

\_\_\_\_\_  
(Application No.)                      (Filing Date)                      (Status - patented, pending, abandoned)

\_\_\_\_\_  
(Application No.)                      (Filing Date)                      (Status - patented, pending, abandoned)

I hereby appoint the following attorneys and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; Raz E. Fleshner, Esq., Reg. No. 34,331; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588..

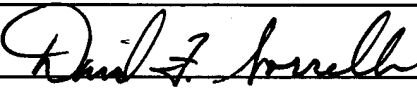
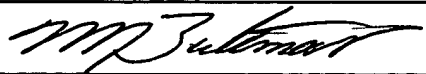
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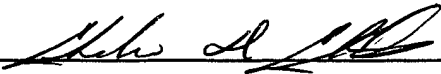

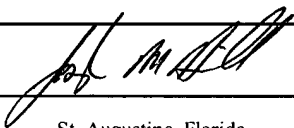

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
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Washington, D.C. 20005-3934

Direct Telephone Calls to:

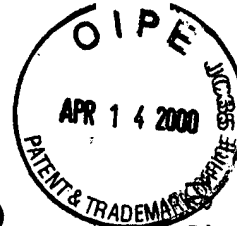
(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor	David F. Sorrells
Signature of first inventor	 Date 03/30/00
Residence	Jacksonville, Florida
Citizenship	U.S.A.
Post Office Address	5250 Siesta Rio Drive South, Jacksonville, Florida 32258
Full name of second inventor	Michael J. Bultman
Signature of second inventor	 Date 31 MAR 00
Residence	Jacksonville, Florida
Citizenship	U.S.A.
Post Office Address	2244 Aztec Drive West, Jacksonville, Florida 32246

Full name of third inventor	Charles D. Clements
Signature of third inventor	 Date 4/10/00
Residence	Jacksonville, Florida
Citizenship	U.S.A.
Post Office Address	12376 Nesting Eagles Way, Jacksonville, Florida 32225
Full name of fourth inventor	Robert W. Cook 3/31/00
Signature of fourth inventor	 Date
Residence	Switzerland, Florida
Citizenship	U.S.A.
Post Office Address	1432 Roberts Road, Switzerland, Florida 32259
Full name of fifth inventor	Joseph M. Hamilla
Signature of fifth inventor	 Date 3/31/00
Residence	St. Augustine, Florida
Citizenship	U.S.A.
Post Office Address	4405 Carolyn Lane, St. Augustine, Florida 32092
Full name of sixth inventor	Richard C. Looke
Signature of sixth inventor	 Date 9/3/00
Residence	Jacksonville, Florida
Citizenship	U.S.A.
Post Office Address	3170 Ricky Drive, Jacksonville, Florida 32223

Full name of seventh inventor	Charley D. Moses, Jr.
Signature of seventh inventor	<i>Charley D. Moses</i> Date 03-31-00
Residence	Jacksonville, Florida
Citizenship	U.S.A.
Post Office Address	4314 Naranja Drive, Jacksonville, Florida 32217
Full name of eighth inventor	Gregory S. Silver
Signature of eighth inventor	<i>Gregory S. Silver</i> Date 3-31-00
Residence	St. Augustine, Florida
Citizenship	U.S.A.
Post Office Address	64 Seaside Capers Road, St. Augustine, Florida 32095



GAU 2744

## Certificate Under 37 C.F.R. § 3.73(b)

Applicants: David F. Sorrells, Michael J. Bultman, Charles D. Clements, Robert W. Cook, Joseph M. Hamilla, Richard C. Looke, Charley D. Moses, Jr., and Gregory S. Silver

Application No: 09/476,092 (Atty Dkt No. 1744.0250001) Filed: January 3, 2000

For: Analog Zero IF FM Decoder and Embodiments Thereof, Such as a Family Radio System

ParkerVision, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is an assignee of the patent application identified above by virtue of either:

A. ☒ An Assignment from the inventors of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.  
[or]

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 4-10-00

Name: Jeffrey L. Parker

Title: Chairman and Chief Executive Officer

Signature: [Signature]

RECEIVED  
MAR 31 2000  
OIP/PTO/US

## ASSIGNMENT

DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION

In consideration of the sum of One Dollar (\$1.00), or equivalent, and other good and valuable consideration paid to each of the undersigned inventors: 1) David F. Sorrells, 2) Michael J. Bultman, 3) Charles D. Clements, 4) Robert W. Cook, 5) Joseph M. Hamilla, 6) Richard C. Looke, 7) Charley D. Moses, Jr., and 8) Gregory S. Silver, the undersigned inventors hereby sell and assign to ParkerVision, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention known as

Analog Zero IF FM Decoder and Embodiments Thereof, Such as the Family Radio Service

for which an application for patent in the United States of America has been executed by the undersigned inventors on 1) 3-31-00, 2) 3-31-00, 3) 4-10-00, 4) 3-31-00, 5) 3-31-00, 6) 4-3-00, 7) 3-31-00, and 8) 3-31-00 (also known as United States Application No. 09/476,092 (Atty. Docket No. 1744.0250001), filed January 3, 2000), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application(s) or Letters Patent(s) therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination, or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

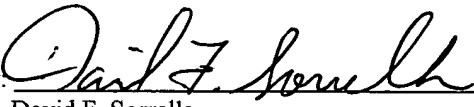
The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

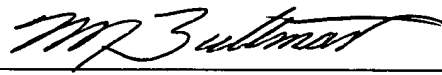
The undersigned inventors hereby represent that they each have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict therewith.

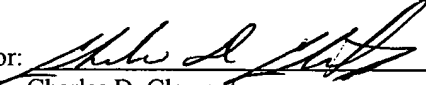
The undersigned inventors hereby grant Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox,

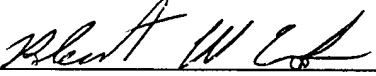
Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; Raz E. Fleshner, Esquire, Registration No. 34,331; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.


IN WITNESS WHEREOF, executed by the undersigned inventors on the date(s) opposite their respective names.

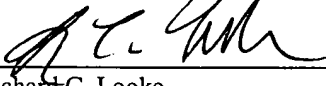
Date: 3/31/00 Signature of Inventor:   
David F. Sorrells

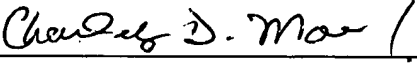
Date: 31 MAR 00 Signature of Inventor:   
Michael J. Bultman

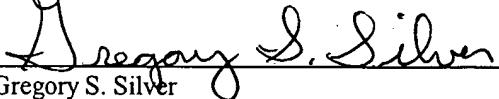
Date: 4-10-00 Signature of Inventor:   
Charles D. Clements

Date: 3/31/00 Signature of Inventor:   
Robert W. Cook

Date: 3/31/00 Signature of Inventor:   
Joseph M. Hamilla

Date: 4-3-00 Signature of Inventor:   
Richard C. Looke

Date: 03-31-00 Signature of Inventor:   
Charley D. Moses, Jr.

Date: 3-31-00 Signature of Inventor:   
Gregory S. Silver

09/476,092



# POWER OF ATTORNEY FROM ASSIGNEE

ParkerVision, Inc., a corporation of Florida, having a principal place of business at 8493 Baymeadows Way, Jacksonville, Florida, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on:

(1) 3-31-00 (2) 3-31-00 (3) 4-10-00 (4) 3-31-00 (5) 3-31-00 (6) 4-3-00 (7) 3-31-00 and (8) 3-31-00

of an invention known as:

Analog Zero IF FM Decoder and Embodiments Thereof, Such as a Family Radio System

(Atty Docket No. 1744.0250001)

which is disclosed and claimed in a patent application of the same title by the inventors:

(1) David F. Sorrells, (2) Michael J. Bultman, (3) Charles D. Clements, (4) Robert W. Cook, (5) Joseph M. Hamilla, (6) Richard C. Looke, (7) Charley D. Moses, Jr., and (8) Gregory S. Silver, (said application filed on January 3, 2000, at the U.S. Patent and Trademark Office, having Application Number 09/476,092).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; Raz E. Fleshner, Esq., Reg. No. 34,331; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Sterne, Kessler, Goldstein & Fox P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
U.S.A.

Direct phone calls to 202-371-2600.

FOR: ParkerVision, Inc.

SIGNATURE: \_\_\_\_\_

BY: Jeffrey L. Parker

TITLE: Chairman and Chief Executive Officer

DATE: 4-10-00

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